

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050981

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G03F7/20 G02B5/30 G02B27/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G02B G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 856 621 A (NATIONAL RESEARCH DEVELOPMENT CORPORATION) 21 December 1960 (1960-12-21) figure 4 page 3, line 11 - line 61 -----	1-5, 7-18, 20-31
P, X	US 6 721 258 B1 (HASHIMOTO NOBUYUKI) 13 April 2004 (2004-04-13) figure 3; example 3 column 8, line 25 - column 9, line 50	1,6-14, 19-31
X	& WO 00/79331 A (CITIZEN WATCH CO., LTD; HASHIMOTO, NOBUYUKI) 28 December 2000 (2000-12-28) figure 3 -----	1,6-14, 19-31
X	US 6 191 880 B1 (SCHUSTER KARL-HEINZ) 20 February 2001 (2001-02-20) cited in the application figures 4a, 4b, 4c, 4d -----	1-5, 7-18, 20-31

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

23 June 2005

Date of mailing of the international search report

28/07/2005

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
GB 856621	A	21-12-1960	NONE			
US 6721258	B1	13-04-2004	WO	0079331 A1		28-12-2000
WO 0079331	A	28-12-2000	WO	0079331 A1		28-12-2000
			US	6721258 B1		13-04-2004
US 6191880	B1	20-02-2001	DE	19535392 A1		27-03-1997
			US	2002126380 A1		12-09-2002
			US	2001012154 A1		09-08-2001
			DE	59610745 D1		06-11-2003
			EP	1343051 A1		10-09-2003
			EP	0764858 A2		26-03-1997
			JP	9184918 A		15-07-1997